

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 5

230 SOUTH DEARBORN ST. CHICAGO, ILLINOIS 60604

REPLY TO THE ATTENTION OF:

5HR-12

1# SEP 1988

Mr. David C. Bach Ethyl Corporation Ethyl Tower 451 Florida Baton Rouge, Louisana 70801-1780

Re: Freedom of Information Act Request No. RIN 658-88

Dear Mr. Bach:

This is in response to your Freedom of Information Act (FOIA) request of March 10, 1988, regarding the Ethyl Corporation facility in Sauget, Illinois.

Enclosed is a copy of the Preliminary Assessment Report dated May 14, 1987, in response to your request. There is no charge for providing the above document since the total fee in connection with the request is less than \$25.00.

Please contact Alan Altur, of my staff, at (312) 886-0390 if you have any questions or are in need of further assistance.

Sincerely yours,

Mary A. Gade, Acting Director

Thomas Kerslecher

Office of Superfund

Enclosure

CEP 0.7 1938

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Executive Summary

Ethyl Petroleum Additives (formerly Edwin Cooper) in Sauget, Illinois is owned by the Ethyl Corporation for the manufacturing of petroleum additives. The facility was part of Monsanto Chemical Company's operations before selling it to Ethyl Petroleum in 1971.

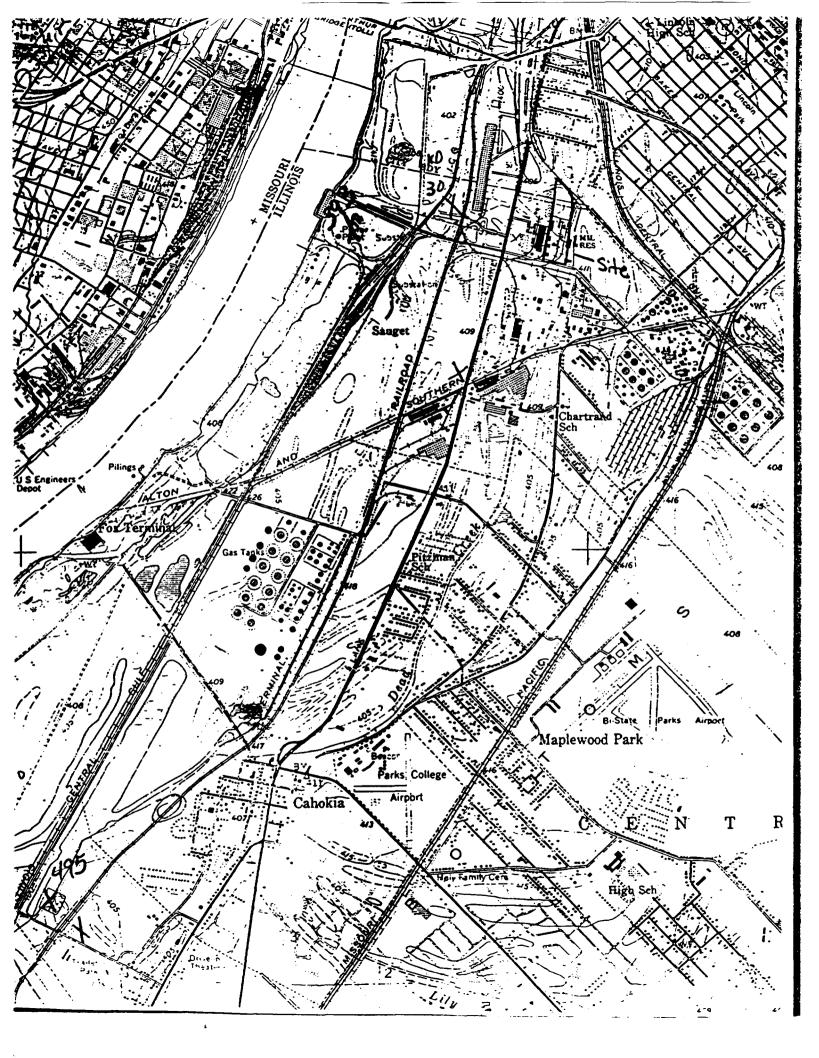
The site has a drum storage area for the storing of waste naptha and waste lab solvents in 55 gallon drums. The waste lab solvents are generated when solvents are used to clean equipment and waste naptha comes directly from a process unit. Several other materials may become waste after being used in certain processes. These waste are mostly off-specification materials and raw materials that have become outdated.

An inspection on July 11, 1985 revealed four (4) drums of wastes that were leaking in the storage area. The waste was found on the concrete pad that contained the drums and on the nearby gravel. These drums were also incorrectly labeled because no hazardous waste labels with accumulation dates were placed on them. The IEPA inspector had the facility overpack the drums and clean-up the area around the drums.

Soil samples taken in 1983 confirmed the presence of 2,3,7,8, - TCDD contamination. The contamination came from the manufacturing of Agent Orange when Monsanto owned the facility. Groundwater monitor wells were drilled on-site to determined if contaminants had affected the water table. The results from the monitor wells samples indicated no contamination by 2,3.7,8-TCDD. The facility also had on air release, that affected the nearby population. On July 11, 1983, a reaction of sulfur dichloride and a water/sodium hydroxide solution produced a brownish-yellow plume that traveled north toward Rush City. Approximately 113 people were treated for eye irritations, breathing difficulties and nausea. Thirteen (13) were admitted and kept overnight for observation at St. Mary's Hospital in East St. Louis.

A low priority is recommended for this facility due to the fact that extensive soil sampling has taken place at the site. Surface drainageways and groundwater samples may need to be taken an analyzed for the Hazardous campound Target List, instead of only 2,3,7,8-TCDD.

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(See attached Map)					
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POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 2 - WASTÉ INFORMATION

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POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

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01 STATE 02 SITE NUMBER

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PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

- COMPUTED AND MANDENTS	
R HAZARDOUS CONDITIONS AND INCIDENTS 01 X A. GROUNDWATER CONTAMINATION	02 L' OBSERVED (DATE) XPOTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED.	04 NARRATIVE DESCRIPTION
	re installed on-site to determine if 2,3,7,8-TCDD
	table. Sample results detected NO contaminants
but were only analyzed fo	or 2,3.7,8-7CDD.
01 X 8. SURFACE WATER CONTAMINATION	02: OBSERVED (DATE: X POTENTIAL : ALLEGED 04 NARRATIVE DESCRIPTION Lin 1 foot of the Surface, 2,3,7,8-TCDD was
Most soil samples were taken with	Lin I foot of the surface, 2,3,7,8-TCDD was
found within this depth. Surface	e water run-off could carry contamunants
to nearby surface water bodie	s used for recreation.
01 XC CONTAMINATION OF AIR	02 C OBSERVEDIDATE I KPOTENTIAL : ALLEGED ON NAPRATIVE DESCRIPTION COUld that future air contamination could
Past incidents surgest	that future air contamination could
occur from this site.	See "I" below.
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01 C D FIRE/EXPLOSIVE CONDITIONS	02 3 OBSERVED (DATE:) (: POTENTIAL 3 ALLEGED
03 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION
01 [] E. DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED	02 C OBSERVED (DATE:
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01 X F. CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED: LA KAICLIA	02 TO OBSERVED (DATE
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ocause confirmed the are	sence of 2,3,7,8-TCDD in measurable
quantities.	Sewice 01 2/3,7, 4 - 1 - 0 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
01 XG. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED:	02 (1) OBSERVED (DATE
See "A" above.	•
01 CJ H. WORKER EXPOSURE/INJURY	02 (1) OBSERVED (DATE
03 WORKERS POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION
01 X I POPULATION EXPOSURE/INJURY	02 DE OBSERVED (DATE 07/11/83) () POTENTIAL S'ALLEGED
03 POPULATION POTENTIALLY AFFECTED	04 MARRATIVE DESCRIPTION Sulfur dichloride and a water/sodown Hydraide
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POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

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01 D. DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION		02 () OBSERVED (DATE:)	O POTENTIAL	C ALLEGED
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01 () P. BLEGALAMAUTHORIZE 04 NARRATIVE DESCRIPTION	ED DUMPING	62 C) OBSERVED (DATE:)	CI POTENTIAL	() ALLEGED
06 DESCRIPTION OF ANY OTHE	ER KNOWNL POTENTIAL, OR A	ALLEGED HAZAROS		
		Ta Jane		
IL TOTAL POPULATION POT	ENTIALLY AFFECTED:	€ 30.000		
Soil Sample res		cumented contamination to	0, 2,3,7,1	8-7C00. No
V. SOURCES OF INFORMATION	OH (Cre apacific neterances, e.g., see	so Mail, sartish analysis, reporting		
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